

HFMK Series (Non-ZIF FPC)

LOW PROFILE AND COMPACT

HFMK Series FPC is a 0.21mm pitch Non-ZIF FPC that is lowest in height suitable for applications where space is a constraint.

- Low profile and compact
- FPC locking arm
- Single action Push-pull FPC termination



FEATURES

- Ultra fine pitch and low profile (0.21mm pitch, 0.5mm height) with narrow depth
- Non-ZIF (No-flip) type
- Dual contact terminal design
- Offset In-line layout with FPC locking arm

BENEFITS

- Space-saving, suitable for applications that have space constraint
- Single action FPC insertion and removal
- Robust with no moving parts
- Flexibility to FPC layout
- Low insertion force with strong retention when FPC is fully inserted

TECHNICAL INFORMATION

MATERIAL

- Housing: High Temperature Thermoplastic
- Contact A: Corson Alloy
- Contact B: Corson Alloy
- Locking Arm: Corson Alloy
- Fixing Tab: Phosphor bronze

MECHANICAL PERFORMANCE

- Durability: 10 times
- Physical Shock: EIA 364-27 100Gs, (Condition C) (No discontinuity at 1 usec or longer)
- Vibration: EIA 364-28 Condition II (No discontinuity at 1 usec or longer)
- Insertion Force: 5.5N max. (10 times durability)
- Retention Force: 3.0N min. (10 times durability)

ELECTRICAL PERFORMANCE

- Contact Resistance: 50mΩ max.
- Insulation Resistance: 100MΩ min @ 500VDC
- Dielectric Withstanding Voltage: 200VAC minimum for minute

ENVIRONMENTAL

- Low Temperature Life:
 - EIA 364-59, Test Condition III, 168 hours
- High Temperature Life: EIA 364-17, Method A, Test Condition III, 168hours
- Thermal Shock: EIA 364-32, Method A, Test Condition I, 50 cycles
- Salt Spray: EIA 364-26, 48 hours
- Humidity Cycling: EIA 364-31, Method

APPROVALS AND CERTIFICATIONS

- UL 94V-0

PACKAGING

- Tape & Reel

TARGET MARKETS/APPLICATIONS



Display Connections
Gaming Device
Portable Navigation Device
Smart Phone
Tablet PC
Wearable Device

PART NUMBERS

Description	Pitch	Height	Position	Part Numbers
Non-ZIF FPC	0.21mm	0.5mm	20	10131195-2021EHLF

Disclaimer

Please note that the above information is subject to change without notice.